

**WASHINGTON STATE DEPARTMENT OF HEALTH
OFFICE OF FOOD SAFETY AND SHELLFISH PROGRAMS**

ANNUAL GROWING AREA REVIEW

PREPARED BY: Donald Melvin, Environmental Specialist

AREA: Hood Canal #4

YEAR ENDING: December 31, 2005

CLASSIFICATION: Approved

ACTIVITIES IN THE GROWING AREA IN 2005:

Samples were collected from each station in the growing area 6 times during the year using the systematic random sampling method. A closure zone evaluation in the area represented by station #307 was completed.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table #1 summarizes the results of all samples collected from the area. This summary shows that all stations in the area pass the NSSP water quality standard.

CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:

We currently have no information indicating that the area has new sources of pollution.

CLASSIFICATION STATUS:

- ☒ Well within the classification standards
- ☐ Meets standards but some concerns
- ☐ Meets standards but threatened with a downgrade in classification
- ☐ Fails to meet classification standards

REMARKS AND RECOMMENDATIONS:

Table #1 shows that all stations meet the NSSP water quality standards for approved classification and the area is correctly classified. Boyce Creek is on the 303D list for fecal coliform.

TABLE 1**SUMMARY OF MARINE WATER DATA (SRS)**Growing Area: **HOOD CANAL #4**Classification: **Approved,Unclassified**From **12/20/2000** To **12/21/2005****FECAL COLIFORM ORGANISMS/100 ML**

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
144	Approved	31	1.7 - 23.0	2.2	5.0	Yes
145	Approved	31	1.7 - 33.0	2.4	6.0	Yes
146	Approved	31	1.7 - 49.0	2.3	7.0	Yes
147	Approved	31	1.7 - 49.0	2.5	8.0	Yes
148	Approved	31	1.7 - 130.0	2.4	7.0	Yes
149	Approved	31	1.7 - 79.0	2.5	7.0	Yes
150	Approved	31	1.7 - 11.0	2.3	4.0	Yes
151	Approved	31	1.7 - 22.0	2.4	5.0	Yes
152	Approved	31	1.7 - 110.0	2.2	6.0	Yes
153	Approved	31	1.7 - 49.0	2.1	4.0	Yes
154	Approved	30	1.7 - 17.0	2.1	4.0	Yes
155	Approved	30	1.7 - 49.0	2.0	4.0	Yes
156	Approved	32	1.7 - 17.0	2.1	4.0	Yes
157	Approved	31	1.7 - 13.0	2.0	3.0	Yes
158	Approved	30	1.7 - 31.0	2.9	9.0	Yes
159	Approved	32	1.7 - 170.0	3.1	13.0	Yes
160	Approved	30	1.7 - 540.0	3.5	18.0	Yes
161	Approved	30	1.7 - 79.0	2.8	8.0	Yes
162	Approved	31	1.7 - 13.0	2.1	4.0	Yes
163	Approved	30	1.7 - 33.0	2.6	6.0	Yes
164	Approved	31	1.7 - 13.0	1.9	3.0	Yes
165	Approved	32	1.7 - 4.5	1.9	2.0	Yes
166	Approved	31	1.7 - 11.0	1.8	2.0	Yes
307	Unclassified	2	1.7 - 4.5	2.7	6.0	*N/A

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

* N/A - SRS criteria require a minimum of 30 samples from each station. *

